

Project Proposal

Proposal Title: Coal Canyon Habitat Improvement

Proposal Number: 1398

DWR Region: Central Region

Lead Agency: DWR

County: Sanpete

Project Manager: Kendall Bagley

PM Phone: 8014915653

Regional Priority: Within Focus Area

Project Type: Terrestrial Habitat

Proposed Start Date: 8/1/2009

Project Location: The project area is located 5 miles northwest of the town of Ephraim at the mouth of Coal Canyon in Sanpete County.

Project Description: Spray Plateau herbicide and drill seed 332 acres of rangeland with a variety of perennial grasses, forbs, and shrubs

Description of Problem/Need: The Coal Canyon project area once supported a moderately dense stand of Wyoming big sagebrush with an understory dominated by cheatgrass. The property was aerially sprayed with 2-4D then seeded followed by a 1-way chain treatment as part of an NRCS EQUIP project in 2005. Due to drought and the dominance of cheatgrass in the understory, seeded grasses failed to establish. This area is critical winter range for mule deer which summer on the San Pitch mountains. This project will spray Plateau herbicide to control cheatgrass then drill seed a variety of perennial grasses, forbs, and shrubs.

Objectives: Control cheatgrass. Establish perennial grasses, forbs, and shrubs

Relevance to Strategic Plans: The project area occurs within the sagebrush steppe which is a key habitat identified in the WAP. This area supports mule deer (Tier III) and numerous other species of concern (Tier III) including neotropical birds and raptors.

The proposed treatments lie within Central Region UPCD focus areas.

The proposed projects will address some of the habitat management strategies outlined in the deer and elk management plan for Wildlife Management Unit 16, Central Mountains including: continue to restore and improve sagebrush steppe habitats critical to deer according to DWR's Habitat Initiative; cooperate with federal land management agencies and private landowners in carrying out habitat improvements such as reseeding, controlled burns, water developments etc. on public and private lands; and maintain and/or enhance forage production through direct range improvements throughout the unit to achieve population management objectives.

The proposed projects will address the following goals and objectives of the Division of Wildlife Resources most recent strategic management plan:

Resource Goal: expand wildlife populations and conserve sensitive species by protecting and improving wildlife habitat.

Objective 1: protect existing wildlife habitat and improve 500,000 acres of critical habitats and watersheds throughout the state by 2010.

Objective 3: conserve sensitive species to prevent them from becoming listed as threatened or endangered.

Constituency Goal: Achieve broad-based support for Division programs and budgets by demonstrating the value of wildlife to all citizens of Utah.

Objective 2: improve communication with wildlife organizations, public officials, private landowners, and government agencies to obtain support for Division programs.

Potential Risks: Failure of seeded species to establish. Grasshopper infestation.

Proposed Methods: Aerially spray the herbicide Plateau at a rate of 6 oz of active ingredient per acre in early September. Drill seed perennial grasses, forbs, and shrubs in October.

Shapefile Name: 1398_Coal_Canyon_Habitat_Improvement

Seed Source: GBRC

UPCD Reg Team Coord Date: 1/13/2009

Proposed NEPA Action:

Proposed Arch Action:

☒ **Vegetation Monitoring** ☐ **Wildlife Monitoring**

Monitoring Information: One Range Trend study will be established within the treatment area.

Wednesday, March 11, 2009 12:29:59

Project Proposal

Grazing Management: The site will be rested for a minimum of 2 growing seasons. Mr. Larson has agreed to remove livestock grazing from the treatment site allowing the seeding efforts to become established and mature. Mr. Larson will monitor the seeding in the future to determine the utilization rate that is needed by his livestock to sustain a healthy range community. Mr. Larson will also be responsible for the

SPECIES BENEFITING

Mule Deer	Elk	Neotropical Birds
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LAND OWNERSHIP

Owner	Acres
Private	332
Total	332

PROPOSED FUNDING

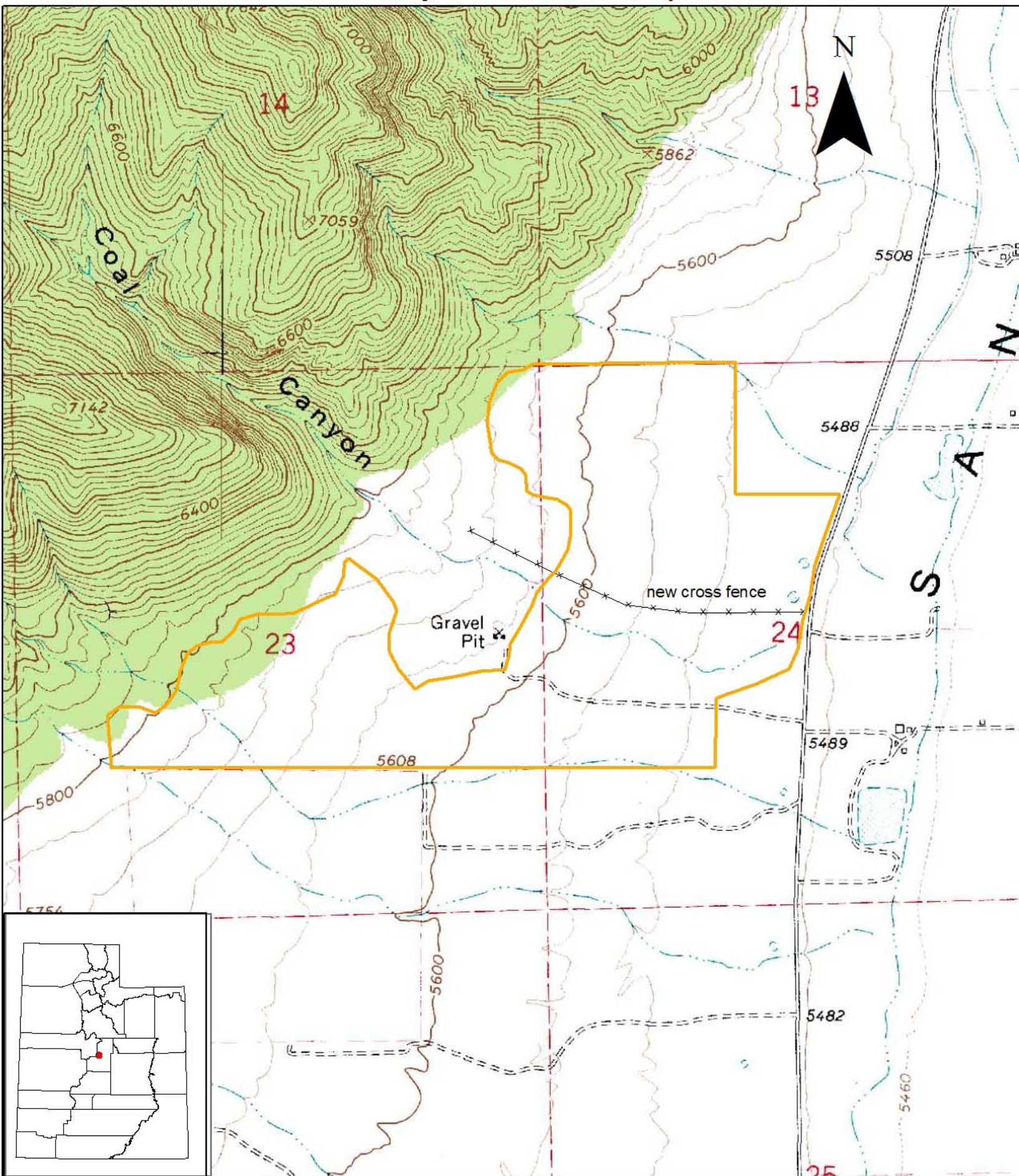
Source	Amount Requested	Date Approved	Amount Approved
Private	\$9,960.00		\$0.00
GIP	\$12,304.00		\$0.00
Unfunded Balance	\$29,880.00		\$0.00
Totals	\$52,144.00		\$0.00

PROPOSED BUDGET

Item	Description	DWR Account	Partner Contrib.
Contractual Services	Aerial spray 332 acres @ \$15/acre	\$4,980.00	\$0.00
Materials and Supplies	16 gallons of Plateau herbicide @ \$300/acre	\$0.00	\$4,800.00
Materials and Supplies	11 gallons of surfactant @ \$50/gallon	\$0.00	\$550.00
Seed (GBRC)	332 acres of seed @ \$75/acre	\$24,900.00	\$0.00
Contractual Services	Drill seed 332 acres @ \$30/acre	\$0.00	\$9,960.00
Materials and Supplies	3477 ft of netwire fence @ \$2/ft	\$0.00	\$6,954.00
	Totals	\$29,880.00	\$22,264.00

Project Map:

#1398 Coal Canyon Habitat Improvement



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